

Sheet 1 of 10

Form PTO/US 438
(Rev. 8-83) U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.: 63049.000070

Application No.: 10/637,210

**INFORMATION DISCLOSURE
STATEMENT**

(Use several sheets if necessary)

Applicant: Ronald D. Blum et al.

Filing Date: August 8, 2003

Group: 2873

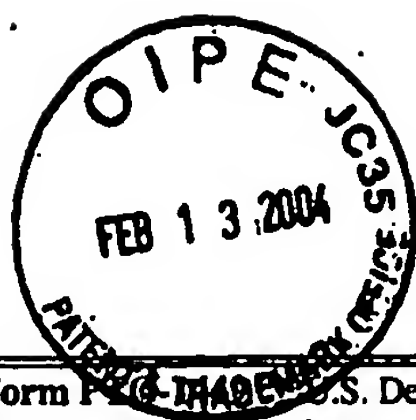
U.S. PATENT DOCUMENTS

Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
af	1	Re. 35,691	12/16/97	Theirl et al.	—	—	
af	2	D 298,250	10/25/88	Kildall	—	—	
af	3	D 342,063	12/7/93	Howitt et al.	—	—	
af	4	D 350,342	9/6/94	Sack	—	—	
af	5	2,437,642	3/9/48	Henroteau	—	—	
af	6	2,576,581	11/27/51	Edwards	—	—	
af	7	3,161,718	12/15/64	de Luca	—	—	
af	8	3,245,315	4/12/66	Marks et al.	—	—	
af	9	3,614,215	10/19/71	Mackta	—	—	
af	10	3,738,734	6/12/73	Tait et al.	—	—	
af	11	4,174,156	11/13/79	Glorieux	—	—	
af	12	4,181,408	1/1/80	Senders	—	—	
af	13	4,190,330	2/26/80	Berreman	—	—	

Examiner:

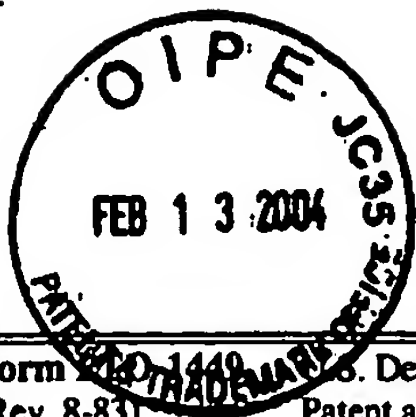
Date Considered:

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Sheet 2 of 10

Form PTO-100 (Rev. 8-83)		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No.: 63049.000070		Application No.: 10/637,210	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				Applicant: Ronald D. Blum et al.			
				Filing Date: August , 2003		Group: 2873	
U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
JP	14	4,264,154	4/28/81	Peterson	—	—	
JP	15	4,279,474	7/21/81	Belgorod	—	—	
JP	16	4,300,818	11/17/81	Schachar	—	—	
JP	17	4,373,218	2/15/83	Schachar	—	—	
JP	18	4,395,736	7/26/83	Fraleux	—	—	
JP	19	4,418,990	12/6/83	Gerber	—	—	
JP	20	4,457,585	7/3/84	DuCorday	—	—	
JP	21	4,466,706	8/21/84	Lamothe, II	—	—	
JP	22	4,529,268	7/16/85	Brown	—	—	
JP	23	4,564,267	1/14/86	Nishimoto	—	—	
JP	24	4,572,616	2/25/86	Kowel et al.	—	—	
JP	25	4,577,928	3/25/86	Brown	—	—	
JP	26	4,601,545	7/22/86	Kern	—	—	
JP	27	4,609,824	9/2/86	Munier et al.	—	—	
JP	28	4,712,870	12/15/87	Robinson et al.	—	—	
JP	29	4,756,605	7/12/88	Okada et al.	—	—	
Examiner: <i>JP</i>				Date Considered: <i>9/14/04</i>			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							



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Form 210-1149 U.S. Department of Commerce
(Rev. 8-83) Patent and Trademark Office

Atty. Docket No.: 63049.000070

Application No.: 10/637,210

**INFORMATION DISCLOSURE
STATEMENT**

(Use several sheets if necessary)

Applicant: Ronald D. Blum et al.

Filing Date: August 8, 2003

Group: 2873

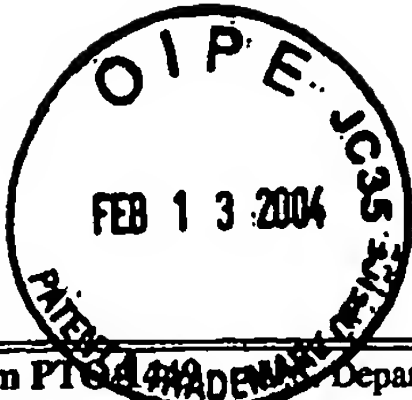
U.S. PATENT DOCUMENTS

Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
af	30	4,772,094	9/20/88	Sheiman	—	—	
af	31	4,795,248	1/3/89	Okada et al.	—	—	
af	32	4,818,095	4/4/89	Takeuchi	—	—	
af	33	4,836,652	6/6/89	Oishi et al.	—	—	
af	34	4,880,300	11/14/89	Payner et al.	—	—	
af	35	4,904,063	2/27/90	Okada et al.	—	—	
af	36	4,907,860	3/13/90	Noble	—	—	
af	37	4,919,520	4/24/90	Okada et al.	—	—	
af	38	4,927,241	5/22/90	Kuijk	—	—	
af	39	4,929,865	5/29/90	Blum	—	—	
af	40	4,930,884	6/5/90	Tichenor et al.	—	—	
af	41	4,945,242	7/31/90	Berger et al.	—	—	
af	42	4,952,788	8/28/90	Berger et al.	—	—	
af	43	4,958,907	9/25/90	Davis	—	—	

Examiner:

Date Considered:

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Form PTSD-440 Department of Commerce
(Rev. 8-83) Patent and Trademark Office

Atty. Docket No.: 63049.000070

Application No.: 10/637,210

**INFORMATION DISCLOSURE
STATEMENT**

(Use several sheets if necessary)

Applicant: Ronald D. Blum et al.

Filing Date: August 8, 2003

Group: 2873

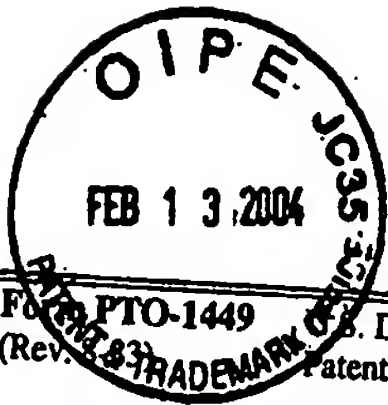
U.S. PATENT DOCUMENTS

Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
g	44	4,961,639	10/9/90	Lazarus	—	—	
g	45	4,968,127	11/6/90	Russell et al.	—	—	
g	46	4,981,342	1/1/91	Fiala	—	—	
g	47	4,991,951	2/12/91	Mizuno et al.	—	—	
g	48	5,015,086	5/14/91	Okaue et al.	—	—	
g	49	5,030,882	7/9/91	Solero	—	—	
g	50	5,066,301	11/19/91	Wiley	—	—	
g	51	5,073,021	12/17/91	Marron	—	—	
g	52	5,076,665	12/31/91	Petersen	—	—	
g	53	5,091,801	2/25/92	Ebstein	—	—	
g	54	5,108,169	4/28/92	Mandell	—	—	
g	55	5,130,856	7/14/92	Tichenor et al.	—	—	
g	56	5,142,411	8/25/92	Fiala	—	—	
g	57	5,171,266	12/15/92	Wiley et al.	—	—	
g	58	5,182,585	1/26/93	Stoner	—	—	

Examiner:

Date Considered:

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Form PTO-1449
(Rev. 12-83) U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.: 63049.000070

Sheet 5 of 10

Application No.: 10/637,210

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant: Ronald D. Blum et al.

Filing Date: August 8, 2003

Group: 2873

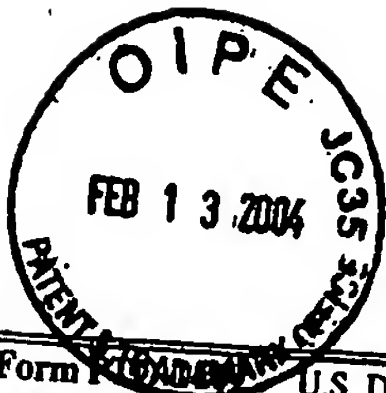
U.S. PATENT DOCUMENTS

Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
al	59	5,184,156	2/2/93	Black et al.	—	—	
al	60	5,200,859	4/6/93	Payner et al.	—	—	
al	61	5,208,688	5/4/93	Ferguson et al.	—	—	
al	62	5,229,885	7/20/93	Quaglia	—	—	
al	63	5,239,412	8/24/93	Naka et al.	—	—	
al	64	5,306,926	4/26/94	Yonemoto	—	—	
al	65	5,324,930	6/28/94	Jech, Jr.	—	—	
al	66	5,352,886	10/4/94	Kane	—	—	
al	67	5,359,444	10/25/94	Piosenka et al.	—	—	
al	68	5,375,006	12/20/94	Haas	—	—	
al	69	5,382,986	1/17/95	Black et al.	—	—	
al	70	5,440,357	8/8/95	Quaglia	—	—	
al	71	5,443,506	8/22/95	Gurabet	—	—	
al	72	5,451,766	9/19/95	Van Berkel	—	—	
al	73	5,488,439	1/30/96	Weltmann	—	—	

Examiner:

Date Considered:

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Form 1 (Rev. 8-83)

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.: 63049.000070

Sheet 6 of 10

Application No.: 10/637,210

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant: Ronald D. Blum et al.

Filing Date: August 8, 2003

Group: 2873

U.S. PATENT DOCUMENTS

Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
<i>bl</i>	74	5,522,323	6/4/96	Richard	—	—	
<i>bl</i>	75	5,608,567	3/4/97	Grupp	—	—	
<i>bl</i>	76	5,615,588	4/1/97	Gottschald	—	—	
<i>bl</i>	77	5,654,786	8/5/97	Bylander	—	—	
<i>bl</i>	78	5,712,721	1/27/98	Large	—	—	
<i>bl</i>	79	5,728,155	3/17/98	Anello et al.	—	—	
<i>bl</i>	80	5,739,959	4/14/98	Quaglia	—	—	
<i>bl</i>	81	5,777,719	7/7/98	Williams et al.	—	—	
<i>bl</i>	82	5,815,233	9/29/98	Morokawa et al.	—	—	
<i>bl</i>	83	5,861,936	1/19/99	Sorenson	—	—	
<i>bl</i>	84	5,900,720	5/4/99	Kallman et al.	—	—	
<i>bl</i>	85	5,949,521	9/7/99	Williams et al.	—	—	
<i>bl</i>	86	5,980,037	11/9/99	Conway	—	—	
<i>bl</i>	87	6,325,508	12/4/01	Decreton et al.	—	—	

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes No
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2	0 154 962 A2	9/18/85	EPO			<input checked="" type="checkbox"/> <input type="checkbox"/>

Examiner: *[Signature]*

Date Considered: 7/14/04

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Sheet 7 of 10

Form PTO-1447, U.S. Department of Commerce
(Rev. 8-83) Patent and Trademark Office

Atty. Docket No.: 63049.000070

Application No.: 10/637,210

**INFORMATION DISCLOSURE
STATEMENT**

(Use several sheets if necessary)

Applicant: Ronald D. Blum et al.

Filing Date: August 8, 2003

Group: 2873

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
Q1	3	0 233 104 A1	8/19/87	EPO				(Abstract)
Q1	4	0 237 365 A1	9/16/87	EPO				(Abstract)
Q1	5	1-237610	9/22/89	Japan				(Abstract)
Q1	6	2169417A	7/09/86	UK				X
Q1	7	2170613A	8/6/86	UK				X
	8	55 076323	6/9/80	Japan				(Abstract)

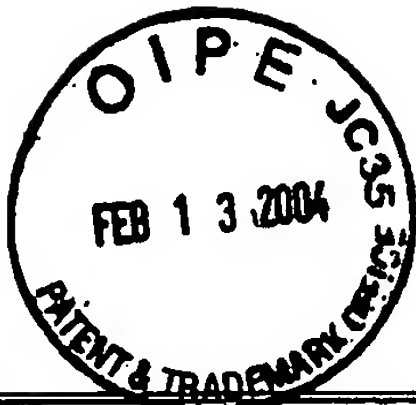
Examiner
Initial***OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	"Focusing by Electrical Modulation of Refraction in a Liquid Crystal Cell"; Stephen T. Kowel et al., <i>Applied Optics</i>, Vol. 23, No. 2, January 15, 1984, pp. 278-289
Q1	2	"Computer Vision Syndrome - The Eyestrain Epidemic"; Robert A. Davis, O.D., <i>Review of Optometry</i> , September 15, 1997, pp. 80-88
Q1	3	"The Use of Yoked Base-Up and Base-In Prism for Reducing Eye Strain at the Computer"; Stuart M. Lazarus, O.D., <i>Journal of the American Optometric Association</i> , April 1996, pp. 204-208
Q1	4	<i>Eyecare Business</i> , October 1997 (entire issue)
Q1	5	"Vision Through a Liquid-Crystal Spatial Light Modulator"; Larry N. Thibos et al., <i>Inpress</i> , Adaptive Optics Conference, Durham, United Kingdom, 1999
Q1	6	"Requirements for Segmented Spatial Light Modulators for Diffraction-Limited Imaging Through Aberrated Eyes"; Larry N. Thibos et al., <i>Inpress</i> , Adaptive Optics Conference, Durham, United Kingdom, 1999
Q1	7	"Use of Liquid-Crystal Adaptive-Optics to Alter the Refractive State of the Eye"; Larry N. Thibos et al., <i>Optometry and Vision Science</i> , Vol. 74, No. 7, July 1997
Q1	8	"Electronic Spectacles for the 21 st Century", <i>Indiana Journal of Optometry</i> , Vol. 2, No. 1, 1999
	9	"Profile: Larry N. Thibos, Ph.D. and Donald Miller, Ph.D.", <i>Indiana Journal of Optometry</i>, Vol. 2, No. 1, pp. 5-10, 1999

Examiner:

Date Considered:

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Sheet 8 of 10

Form PTO-1449
(Rev. 8-83)U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.: 63049.000070

Application No.: 10/637,210

**INFORMATION DISCLOSURE
STATEMENT**

(Use several sheets if necessary)

Applicant: Ronald D. Blum et al.

Filing Date: August 8, 2003

Group: 2873

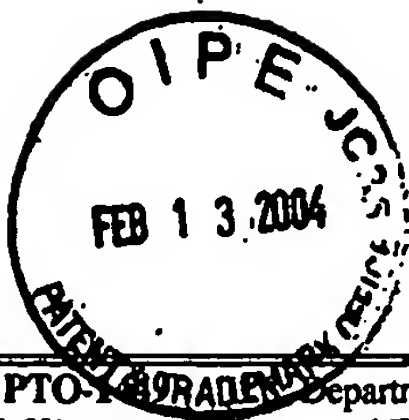
U.S. PATENT DOCUMENTS

Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
<i>g</i>	1	4,787,733	11/29/88	Silva	—	—	
<i>g</i>	2	4,919,520	04/24/90	Okada et al.	—	—	
<i>g</i>	3	5,050,981	09/24/91	Roffman	—	—	
<i>g</i>	4	5,114,628	05/19/92	Höfer et al.	—	—	
<i>g</i>	5	5,682,223	10/28/97	Menezes et al.	—	—	
<i>g</i>	6	5,712,721	01/27/98	Large	—	—	
<i>g</i>	7	5,815,239	09/29/98	Chapman et al.	—	—	
<i>g</i>	8	5,953,098	09/14/99	Lieberman et al.	—	—	
<i>g</i>	9	6,086,204	07/11/00	Magnante	—	—	
<i>g</i>	10	6,095,651	08/01/00	Williams et al.	—	—	
<i>g</i>	11	6,145,987	11/14/00	Baude et al.	—	—	
<i>g</i>	12	6,305,802	10/23/01	Roffman et al.	—	—	
<i>g</i>	13	6,554,425	04/29/03	Roffman et al.	—	—	

Examiner:

Date Considered:

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Sheet 2 of 10

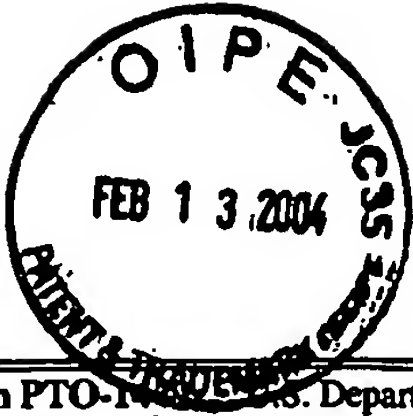
Form PTO-149 (Rev. 8-83) INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Department of Commerce Patent and Trademark Office	Atty. Docket No.: 63049.000070	Application No.: 10/637,210
	Applicant: Ronald D. Blum et al.		
	Filing Date: August 8, 2003	Group: 2873	

U.S. PATENT DOCUMENTS

Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
	14	6,609,794	08/26/03	Levine	—	—	
	15	6,616,275	09/09/03	Dick et al.	—	—	
	16	6,616,279	09/09/03	Davis et al.	—	—	
	17	6,631,001	10/07/03	Kuiseko	—	—	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	1	10366043	12/09/98	JP			X
	2	PCT/US91/04976	07/15/91	PCT			
	3	PCT/US97/21688	11/21/97	PCT			
Examiner:				Date Considered: 2/14/04			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							



Sheet 10 of 10

Form PTO-100 (Rev. 8-83)
U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.:
63049.000070Application No.:
10/637,210**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Applicant: Ronald D. Blum et al.

Filing Date:
August 8, 2003

Group: 2873

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

Examiner
Initial***OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	"Control Optimization of Spherical Modal Liquid Crystal Lenses"; A. F. Naumov and G. D. Love, <i>Optics Express</i> , Vol. 4, No. 9, April 26, 1999, pp. 344-352
	2	"Liquid Crystal Adaptive Lenses with Modal Control"; A. F. Naumov and M. Yu Loktev, <i>Optics Letters</i> , Vol. 23, No. 13, July 1, 1998, pp. 992-994
	3	"Liquid Lenses Eye Commercial Breakthrough" (Internet Article under "Optics.org"); from <i>Opto & Laser</i> , November 2003

Examiner:

Date Considered:

1/14/04

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